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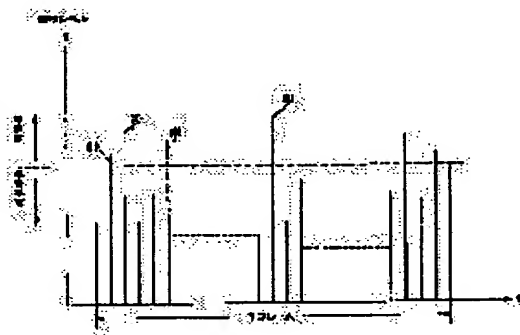
(21)Application number : 07-144529 (71)Applicant : TOSHIBA CORP
(22)Date of filing : 12.06.1995 (72)Inventor : OKADA OSAMU

(54) ECHO CANCELLER

(57)Abstract:

PURPOSE: To make the burdens on a learning processing in a DSP small and to efficiently perform learning by controlling the execution of the learning of the filter coefficient of an adaptive filter so as not to make the number of times of the learning within one frame exceed the prescribed number of times.

CONSTITUTION: In a judgement method by a learning execution judgement part, judgement is performed so as to execute the learning successively for the samples (1)-(3)... of a learnable level from the head of one frame. Then, the judgement is performed so as to execute the learning upto the sample (N) equivalent to the maximum number NMAX of times of the learning set beforehand and the judgement is performed so as to stop the learning even though it is the sample at the learnable level for the succeeding samples. In such a manner, the learning is executed for the NMAX samples in front among the learnable samples, however, when the number of the samples for executing the learning is less than NMAX in the learning execution judgement part, selection can be performed in any manner. Thus, for instance, the NMAX samples can be selected in the descending order of the power of reception input.



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